

9.0 Improvement Recommendations

Columbia County has received significant growth over the last two decades. This growth is expected to continue and the transportation infrastructure of the County needs to be maintained and enhanced to accommodate this growth. Columbia County's needs for transportation improvements are supported by the deficiencies identified in Section 6.0. These deficiencies include:

- Capacity;
- Safety;
- Bicycle and Pedestrian;
- Transit; and,
- Bridges.

Several transportation projects were developed in Section 8.0, which address these deficiencies. This section will identify the recommended improvements and the estimated costs associated with these improvements.

9.1 Estimated Costs

An important element of the LRTP is estimating the costs associated with the numerous recommended improvements. It will not be feasible for Columbia County to do every improvement recommended in the LRTP. This is one reason the recommended improvements were previously ranked, to establish a priority. Now an estimated cost needs to be associated with each project to aid the County in planning and funding of the recommended improvements.

The estimated costs were conducted for planning purposes and may be higher or lower than actual costs. The cost of right of way was omitted from the cost estimate due to the high variation associated with this cost. Therefore, the estimated costs can be expected to be considerably less than actual costs. Additional variations in cost could be the result of several factors, such as, design, utility relocation or environmental impacts.

Estimating recommended project costs is an extremely important part of the planning process. In order to accurately calculate project costs it is useful to obtain historic cost estimates for various types of projects. It was not possible to review bid tabulations for enough projects to get a representative sample of project costs for various types of components including: left turn lane, right turn lane, median openings, roadway widening, signals, bicycle and pedestrian facilities, bridges and other transportation improvements. These reviews resulted in the estimated costs for types of improvements:

- Typical Left Turn Lane \$121,200
- Typical Right Turn Lane \$17,900
- Typical Type A Median Opening \$85,400



- Typical Type B Median Opening \$127,000
- Typical Type C Median Opening \$226,900
- Typical widening from 2 to 4 Lanes \$2,821,800

To further supplement this data, research of other state DOT's was conducted to determine whether planning level cost estimates were available for various types of improvements. The most detailed planning level cost estimates were available from the Florida Department of Transportation (FDOT). It was found that the FDOT summarizes bid tabulations for all projects and this information is available for each pay item. This results in an extensive reference of costs from the state for all area types (urban, rural, suburban). This information was taken by FDOT to develop planning level cost estimates for typical transportation improvements. This information is presented in the following section. This approach was determined to be more accurate than using selected bid tabulations and selectively applying limited cost information.

The costs were estimated in present (2002) dollars and do not reflect inflation. The following tables (Table 9.1.1 to Table 9.1.5) establish the elements used for estimating the improvement costs.

Table 9.1.1
State and County Urban Roadway Improvement Unit Costs in millions of dollars per centerline mile (2002)

	2 Lane Undivided	2 Lane Divided	2 Lane One-Way	4 Lane One-Way	4 Lane Undivided		4 Lane Freeway	6 Lane Divided		8 Lane Freeway
None	2.8218	2.8218	2.8218	3.3051	3.3051	4.2732	4.7651	4.9463	5.7061	6.2787
2 Lane Undivided	X	X	X	X	2.8129	2.8129	X	X	X	X
2 Lane Divided	X	X	X	X	2.8129	2.8129	X	X	X	X
2 Lane One-Way	X	X	X	2.8129	X	X	X	X	X	X
4 Lane Undivided	X	X	X	X	X	X	X	2.7546	3.2321	X
4 Lane Divided	X	X	X	X	X	X	X	2.7546	3.2321	X
4 Lane Freeway	X	X	X	X	X	X	X	X	3.2321	X
6 Lane Freeway	X	X	X	X	X	X	X	X	X	3.7342

Source: FDOT, "2002 Transportation Costs."

Notes: (1) Figures are for 2002 construction costs for one centerline mile of roadway including structures up to 20 feet in length; they may not be comparable to prior year figures in all cases

⁽²⁾ These figures exclude costs for intersections/interchanges/structures over 20 feet, right-of-way, landscaping, traffic signals, preliminary engineering, and construction engineering inspection.

⁽³⁾ The cost per centerline mile figures are based on general, statewide averages. They are not to be used for Work Program estimating because they are not job specific.



Table 9.1.2 State and County Rural Roadway Improvement Unit Costs in millions of dollars per centerline mile (2002)

	2 Lane Undivided	4 Lane Undivided	4 Lane Divided	4 Lane Freeway	6 Lane Divided	6 Lane Freeway
None	2.1723	3.3177	3.2407	4.0186	4.0980	4.8589
2 Lane Undivided	X	2.3816	2.3816	X	X	X
4 Lane Freeway	X	X	X	X	2.6522	3.1457

Source: FDOT, "2002 Transportation Costs."

Notes: (1) Figures are for 2002 construction costs for one centerline mile of roadway including structures up to 20 feet in length; they may not be comparable to prior year figures in all cases

- (2) These figures exclude costs for intersections/interchanges/structures over 20 feet, right-of-way, landscaping, traffic signals, preliminary engineering, and construction engineering inspection.
 (3) The cost per centerline mile figures are based on general, statewide averages. They are not to be used for Work Program
- estimating because they are not job specific.

Table 9.1.3 State Roadway Maintenance Costs (2002)

	2 Lanes	4 Lanes	6 Lanes	8 Lanes
Maintenance Category	\$/C/L mile	\$/C/L mile	\$/C/L mile	\$/C/L mile
State Urban Roads				
Milling and Resurfacing, Curb to Curb	\$422,100	X	X	X
Milling and Resurfacing (Arterial), Curb to Curb	X	\$541,200	\$718,200	\$1,081,600
with 12' Auxiliary Lanes				
Milling and Resurfacing (Interstate) With 10' Paved Shoulders	X	\$785,200	\$1,157,500	\$1,226,200
Routine Maintenance (Annual)	\$26,300	\$58,500	\$115,000	\$129,400
State Rural Roads				
Milling and Resurfacing with 5' Paved Shoulders	\$477,800	X	X	X
Milling and Resurfacing (Arterial) With 5' Paved Shoulders,	X	\$686,900	\$836,800	\$1,115,200
with 12' Auxiliary Lanes				
Milling and Resurfacing (Interstate) With 10' Paved Shoulders	X	\$777,700	\$1,001,300	\$1,220,100
Routine Maintenance (Annual)	\$21,700	\$40,700	\$60,800	N/A

Source: FDOT, "2002 Transportation Costs."



Table 9.1.4
Unit Costs for Bicycle Facilities (2002)

Bicycle Facilities	Unit Cost
Bike Path Per Mile (12' Width), R & R Conversion	\$467,000
Bike Lane Per Mile (5' Width, 2 sides), Pavement Extension	\$622,000
Paved Shoulders Per Mile (5' Width, 2 sides), Rural	
Bike Lockers (for 2 bicycles)	\$3,200

Source: FDOT, "2002 Transportation Costs."

Table 9.1.5
Unit Costs for Pedestrian Facilities (2002)

Pedestrian Facilities	Unit Cost
Sidewalks Per Mile (4 inch depth)	
5' Width, 1 side	\$157,000
6' Width, 1 side	\$189,000
Pedestrian Overpass with Enclosure (per square foot)	\$220
Brickwork (per square yard)	
Roadway	\$90
Sidewalk	\$40
"Walk/Don't Walk" Signal System	
Signal head (each)	\$350
Activator (each)	\$105
Two Corners (four of each unit above)	\$1,900
Four Corners (eight of each unit above)	\$3,900
Raised Island/Refuge Island	
Type "D" Curb (per linear foot)	\$18
4-Inch Sidewalk Fill (per square yard)	\$19
Handicap Curb Ramp (concurrent with construction)	\$0

Source: FDOT, "2002 Transportation Costs."

Tables 9.1.1 through 9.1.5 were used to estimate costs for the recommended improvements found in Table 9.1.6. These costs should be considered preliminary in nature and taken with appropriate care. Costs do not include right of way. More detailed engineering studies are required to identify highly accurate cost estimates.

Table 9.1.6 Corridor Project Cost Estimates

											Roa	dway Co	osts							Enh	anceme	ent Featu	res			Additio	nal Engi	neering		
	R	Roadway and Limits								D	Descriptive	Element	ıts					(\$'s,		Descrip	tive Ele	ements					Costs		(\$'s,	
				(i	, n					=					Š		s	(\$	i	s l						Š			Fotal	
Project Ref. No.	Facility	То	From	Length (C/L mi)	Existing Facility Descriptio Configuration	State (S) or County (C)	Urban (U) or Rural (R)	New (N) or Improved (I)	Existing Condition (None, 1U, 2U, 2O, 4U, 4D, 6U)	# of Lanes Upon Completio	Unit Cost/Mile (\$'s, Millions 2002)	# of Intersections	COST of Intersections (\$'s Millions 2002)	# of Interchanges	COST of Interchanges (\$'Millions 2002)	Miles of Bridges	COST of Bridges (\$'s Millions 2002)	Roadway Subtotal Millions 2002)	Sidewalk Projects One (1) or Both (2)	Sidewalk Costs (\$'s Million 2002)	Bikeway Projects w/Shldr (C) or Sep (S)	Bikeway Costs (\$'s Millions 2002)	Landscaping (\$'s Millions 2002)	Enhancement Subtotal (\$'s, Millions 2002)	Roadway + Enhancement (\$'s, Millions 2002)	Preliminary Engineering (\$ Millions 2002)	Maintenance/Operation (\$'s Millions 2002)	CEI (\$'s Millions 2002)	Additional Eng. Costs Sub-1 Millions 2002)	TOTAL (\$'s, Millions 2002)
	2007 Deficient Segments	OLL D. L. D. L.	D 1 : D1	1									0.00							0.750	~			0.500		0.700		0.000	1.600	
1		Old Belair Rd	Belair Rd	1.53	2	S	R	I	2U	4	2.3816	2	0.286	0	0.000	0	0.000	3.930	2	0.578	С	0.000	0.025	0.603	4.533	0.739	0.007	0.893	1.639	6.172
2	Č	I-20	Washington Rd	1.52	2	C	R	1	2U	4	2.3816	3	0.429	0	0.000	0	0.000	4.049	2	0.575	С	0.000	0.025	0.600	4.648	0.758	0.007	0.916	1.680	6.328
3	· · ·	Hardy McManus Rd	Evans to Locks Rd	0.52	2	S	R	1	2U	4	2.3816	2	0.286	0	0.000	0	0.000	1.512	2	0.195	С	0.000	0.025	0.220	1.732	0.282	0.002	0.341	0.626	2.358
- 4		Washington Rd	Washington Rd Gibbs Rd	3.80	2	С	R	1	2U	4	2.3816	4	0.571	0	0.000	0	0.000	9.622		1.436	С	0.000	0.025	1.461	11.083	1.807	0.017	2.183	4.007	15.090
5		Belair Rd I-20		1.29	2	C	R R	1	2U 2U	4	2.3816	2	0.286	0	0.000	0	0.000	3.358	0	0.488	C	0.000	0.025	0.513	3.871	0.631	0.006	0.763	1.399	5.270
7		at Belair Rd, Lewiston Rd, and Appli	Wrightsboro Rd	1.93	1	S		1	_	•	+	- 4	0.286	Ŭ	0.000	0		4.882	-		0		0.025		4.907	0.800	0.009	0.967	1.775	6.682
- /	*		ŭ	0.15		S	R	1	1U	2	2.1723		0.143	0	0.000	0	0.000	0.469	0	0.000	0	0.000	0.025	0.025	0.494	0.080	0.001	0.097	0.178	0.672
9	Ā	at Belair Rd, Lewiston Rd, and Appli	Belair Rd	0.15	1	S	R	1	1U	2	2.1723		0.143	0	0.000	0	0.000	0.469	0	0.000	0	0.000	0.025	0.025	0.494	0.080	0.001	0.097	0.178	0.672
		Appling Harlem Rd		10.76	4	S	R	1	4D	6	2.7546	0	0.000		23.400	0	0.000	53.039	0	0.000	0	0.000	0.025	0.025	53.064	8.650	0.048	10.454	19.151	72.215
10		Columbia Rd	I-20	1.78	2	C	R	1	2U	4	2.3816	2	0.286	0	0.000	0	0.000	4.525	0	0.000	0	0.000	0.025	0.025	4.550	0.742	0.008	0.896	1.646	6.196
11		Fury's Ferry Rd	Washington Rd	2.50	2	С	R	1	2U	4	2.3816	3	0.429	0	0.000	0	0.000	6.383	2	0.945	C	0.000	0.025	0.970	7.353	1.198	0.011	1.448	2.658	10.011
12		Martinez Blvd	Washington Rd	0.13	2	C	R	1	2U	4	2.3816		0.286	0	0.000	0	0.000	0.595	2	0.049	C	0.000	0.025	0.074	0.669	0.109	0.001	0.132	0.242	0.911
13		Washington Rd	Old Petersburg Rd	1.26	2	С	R	I	2U	4	2.3816		0.429	0	0.000	0	0.000	3.429	2	0.476	С	0.000	0.025	0.501	3.931	0.641	0.006	0.774	1.421	5.351
14	č	William Few Pkwy	Belair Rd	4.07	2	S	R	I	2U	4	2.3816	4	0.571	0	0.000	0	0.000	10.265	2	1.538	С	0.000	0.025	1.563	11.828	1.928	0.018	2.330	4.276	16.104
15	· ·	William Few Pkwy	Hereford Farm Rd	2.80	0	С	R	N	None	2	2.1723	3	0.429	0	0.000	0	0.000	6.511	2	1.058	С	0.000	0.025	1.083	7.594	1.238	0.012	1.496	2.746	10.341
16	· ·	Washington Rd	Hardy McManus Rd	1.03	0	С	R	N	None	2	2.1723	2	0.286	0	0.000	0	0.000	2.523	2	0.389	С	0.000	0.025	0.414	2.938	0.479	0.005	0.579	1.062	4.000
	S	Reynolds Rd	Richmond County	1.88	2	S	R	I	2U	4	2.3816	2	0.286	0	0.000	0	0.000	4.763	2	0.711	С	0.000	0.025	0.736	5.499	0.896	0.008	1.083	1.988	7.487
18	SR 47 SB	N of Ridge Rd (MP 2.45)	N of Keg Creek Dr (MP 3.88)	1.43	2	S	R	I	2U	3	2.3816	0	0.000	0	0.000	0	0.000	3.406	0	0.000	0	0.000	0.025	0.025	3.431	0.559	0.006	0.676	1.241	4.672
	2012 Deficient Segments																													
19	Columbia Rd	William Few Pkwy	Hereford Farm Rd	2.02	2	S	R	I	2U	4	2.3816	2	0.286	0	0.000	0	0.000	5.097	2	0.764	C	0.000	0.025	0.789	5.885	0.959	0.009	1.159	2.128	8.013
20	Hereford Farm Rd	Columbia Rd	Gibbs Rd	4.36	2	С	R	I	2U	4	2.3816	3	0.429	0	0.000	0	0.000	10.812	2	1.648	С	0.000	0.025	1.673	12.485	2.035	0.019	2.460	4.514	16.999
21	Old Petersburg Rd	Old Evans Rd	Baston Rd	2.00	2	С	R	I	2U	4	2.3816	2	0.286	0	0.000	0	0.000	5.049	2	0.756	С	0.000	0.025	0.781	5.830	0.950	0.009	1.148	2.108	7.938
22	Washington Rd	Old Washington Rd	William Few Pkwy	1.02	2	S	R	I	2U	4	2.3816	2	0.286	0	0.000	0	0.000	2.715	0	0.000	0	0.000	0.025	0.025	2.740	0.447	0.005	0.540	0.991	3.731
23	Wrightsboro Rd	Horizon South Pkwy	Reynolds Rd	2.18	2	S	R	I	2U	4	2.3816	2	0.286	0	0.000	0	0.000	5.478	2	0.824	С	0.000	0.025	0.849	6.327	1.031	0.010	1.246	2.287	8.614
24	SR 47 NB	S of Washington Rd (MP 8.33)	N of Yelton Rd (MP 9.53)	1.20	2	S	R	I	2U	4	2.3816	0	0.000	0	0.000	0	0.000	2.858	0	0.000	0	0.000	0.025	0.025	2.883	0.470	0.005	0.568	1.043	3.926
25	SR 47 NB/SB	N of Columbia Rd (MP 13.48)	N of I-20 (MP 15.18)	1.70	2	S	R	I	2U	4	2.3816	1	0.143	0	0.000	0	0.000	4.192	0	0.000	0	0.000	0.025	0.025	4.217	0.687	0.008	0.831	1.525	5.742
	2025 Deficient Segments	,									1																			
26	Č	Columbia Rd	Wrightsboro Rd	1.61	2	S	R	I	2U	4	2.3816	2	0.286	0	0.000	0	0.000	4.120	0	0.000	0	0.000	0.025	0.025	4.145	0.676	0.007	0.817	1.499	5.644
	11 &	Hereford Farm Rd	Old Belair Rd	2.03	2	S	R	I	2U		2.3816	2	0.286	0	0.000	0	0.000			0.767				0.792						8.050
		Columbia Rd	Blanchard Rd	3.46	2	C	R	ī	2U		2.3816	-	0.286		0.000	0	0.000		2	1.308				1.333			0.015	1.942	3.565	13.423
29		McDuffie County	Appling Harlem Rd	4.96	4	S	R	ī	4D	6	2.7546		0.000	1	7.800	0		21.463	0	0.000	0			0.025			0.022	4.233	7.758	29.245
30		Scotts Ferry Rd	Old Washington Rd	5.30	2	S	R	ī	2U	4	2.3816		0.286	0	0.000	0	0.000	12.908	0	0.000	0			0.025	12.933	2.108	0.023	2.548	4.679	17.613
	0	Chamblin Rd	Horizon South Pkwy	1.37	2	S	R	I	2U	4	2.3816		0.429	0	0.000	0	0.000	3.691	2	0.518	C	0.000		0.543	4.234	0.690	0.006	0.834	1.530	5.765
	S	Harlem Town	Wrightsboro Rd	5.48	2	S	R	I	2U	4	2.3816	2	0.286	0	0.000	0	0.000	13.337	0	0.000	0	0.000		0.025	13.362	2.178	0.024	2.632	4.834	18.196
32	Brito, 6576 Gordon Highway	1000	Wilgingsold Ru	50		_ ~		-	20	•	2.0010		0.200	v	0.000		0.000	10.007	Ü	0.000	Ü	0.000	0.020	0.025	15.502	2.170	0.02			333.430
_	Transportation Demand Management (T	DM) Strategies as Alternatives t	to Roadway Construction/W	/idening	Projects																									
		SR 104	Richmond County	6.42	2	С	R	I	2U	2	-	4	0.571	0	0.000	0	0.000	0.571	0	0.000	0	0.000	0.025	0.025	0.596	0.097	0.028	0.117	0.243	0.840
34		Belair Rd	Blanchard Rd	2.2	2	С	R	I	2U	2	-	3	0.429	0	0.000	0	0.000	0.429	0	0.000	0	0.000	0.025	0.025	0.454	0.074	0.010	0.089	0.173	0.627
35	Columbia Rd	Ivy Falls Rd	Old Belair Rd	2.66	2	S	R	I	2U	2	-	2	0.286	0	0.000	0	0.000	0.286	0	0.000	0	0.000	0.025	0.025	0.311	0.051	0.012	0.061	0.124	0.434
36	Hardy McManus Rd	Halali Farm Rd	Fury's Ferry Rd	2.85	2	С	R	I	2U	2	-	2	0.286	0	0.000	0	0.000	0.286	0	0.000	0	0.000	0.025	0.025	0.311	0.051	0.013	0.061	0.124	0.435
37	Wheeler Rd	North Belair Rd	Flowing Wells Rd	1.48	2	С	R	I	2U	2	-	2	0.286	0	0.000	0	0.000	0.286	0	0.000	0	0.000	0.025	0.025	0.311	0.051	0.007	0.061	0.118	0.429
38	South Old Belair Rd	North Belair Rd	Columbia Rd	3.34	2	С	R	I	2U	2	-	2	0.286	0	0.000	0	0.000	0.286	0	0.000	0	0.000	0.025	0.025	0.311	0.051	0.015	0.061	0.127	0.437
		SR 223	Richmond County	4.93	2	S	R	I	2U	2	-	2	0.286	0	0.000	0	0.000	0.286	0	0.000	0	0.000	0.025	0.025	0.311	0.051	0.022	0.061	0.134	0.444
		SR 104	Evans to Locks Rd	2.53	2	С	R	I	2U	2	-	3	0.429	0	0.000	0	0.000		0	0.000	0	0.000		0.025	0.454	0.074	0.011	0.089	0.174	0.628
	Ÿ	Washington Rd	Fury's Ferry Rd	2.5	2	C	R	I	2U	2	-	3	0.429	0	0.000	0	0.000	0.429	0	0.000	0	0.000		0.025	0.454	0.074	0.011	0.089	0.174	0.628
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Legend
U - Undivided
D - Divided
O - One-Way
A- Auxiliary
In - Lane
CEI - Construction Engineering and Inspection

338.332 TOTAL



9.2 Potential Funding Sources

All of the recommended projects are not expected to be funded by Columbia County. Several funding sources will be used to construct as many of the recommended projects as possible. This is usually controlled by the agencies responsible for maintaining and operating the roadway. Most major facilities in Columbia County are either operated by the GDOT or Columbia County. Should the County desire to accelerate projects on state owned and maintained facilities, it is highly likely that local funds could accelerate the process.

Funding for most transportation projects in Columbia County comes either in part or entirely through the GDOT. To understand the ability of GDOT to continue to provide funds to Columbia County is useful to understand the components of GDOT funding. Key components include:

- Federal Title I Apportionments;
- State Motor Fuels Taxes;
- State License Tag Fees;
- State Title Registrations;
- State Motor Carrier Fuels Tax;
- State Personal Property Tax; and,
- Tax Allocation Districts.

While detailed analysis of these funding sources is beyond the scope of this study, it is useful to point out that all of the revenue streams identified as key components of GDOT funding have positive growth rates historically and it is anticipated that they will continue to grow in the future. It is also useful to note that Georgia currently has one of the nations lowest state motor fuels taxes. An increase in this tax could yield substantial revenue to the GDOT.

The most likely funding sources for Columbia County have been divided into the several categories documented below.

Federal and State Funds

- Transportation Enhancement Activities Funds
- State Aid City/County Contracts
- FTA Non-Urbanized Area Formula Program (Section 5311)

Local Funds

- Local Option Sales Tax (LOST)
- Special Purpose Local Options Sales Tax (SPLOST)
- Development Impacts Fees
- Local Self Taxing Districts (or Community Improvement Districts)



Debt Financing

• General Obligation Bonds

Any or all of these measures may be used to finance selected transportation projects. It is likely that even with the list of identified funding mechanisms, inadequate funding will exist to finance all needed transportation projects. In this situation it may be necessary to increase existing taxes or implement new taxes to augment revenue generation. In selecting an appropriate funding mechanism it is useful to establish criteria to determine what funding approach best meets the needs of Columbia County. While limited information is available some suggested criteria include:

- Equity;
- Economic Efficiency;
- Revenue Potential;
- Political and Public Acceptability; and,
- Applicability.

Columbia County currently has a SPLOST program and is currently in the process of renewing this program and these initiatives can provide substantial funding for transportation improvements. For minor projects such as bicycle and pedestrian enhancements or minor geometric improvements local private entities may wish to contribute funding to accelerate project implementation. Local development impact fees could be used to help pay for bicycle and pedestrian improvements indicated in a county-wide or region-wide bicycle and pedestrian plan.



9.3 Summary of Recommended Improvements

Based on the analysis completed as part of this study, a listing of recommended projects was created for Columbia County. This information is presented in Table 9.3. This listing includes capacity improvements, TDM/TSM improvements, intersection enhancements, bridge improvements, bicycle and pedestrian enhancements and transit recommendations. For each recommendation several information elements were produced including: facility; limits; existing and improved configuration; comments; improvement type; need addressed; anticipated benefit; phasing; cost and potential funding sources. For successful implementation of these projects it is recommended that additional detailed engineering studies be conducted to determine the most appropriate design, cost and phasing of the particular project. Additionally, successful project implementation will include identified funding mechanisms, political support with public recognition of the project need and benefit.

Table 9.3 Recommended Improvements

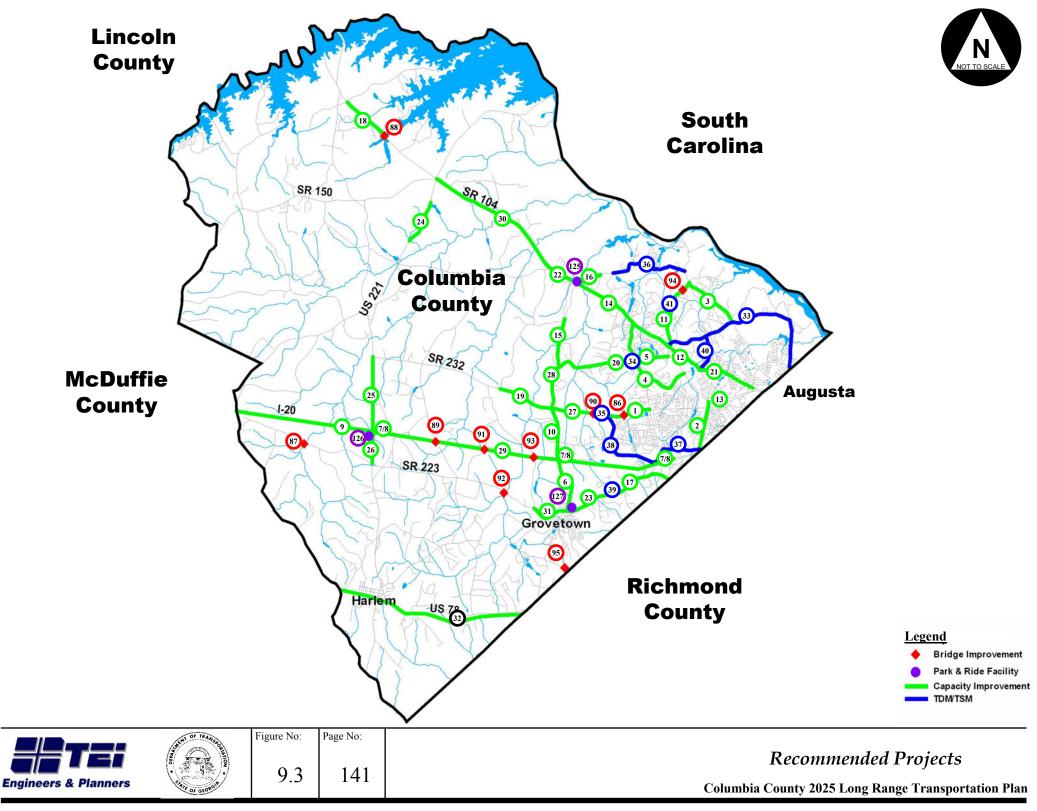
						_										
Project	Segn	nent Limits	Existing Lane	Improved Lane						Implement	tation	Estimated		Potenti	ial Funding	Source
Ref. No. Facility	From	То	Configuration	Configuration	Notes/Comments	Program	Project	Need	Anticipated Benefit	Near Mid	Long	Cost	Federal	State	County	Local Private
Capacity Improvements/New Roadways																
1 Columbia Rd	Old Belair Rd	Belair Rd	2	4	Prioritization Score - 35.5	STIP	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety	✓		\$6,171,514	✓	✓	✓	
2 Flowing Wells Rd	I-20	Washington Rd	2	4	Prioritization Score - 29.5	STIP	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety	✓		\$6,328,229		✓	✓	✓
3 Fury's Ferry Rd	Hardy McManus Rd	Evans to Locks Rd	2	4	Prioritization Score - 45.25	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety	✓		\$2,357,678		✓	✓	✓
4 Gibbs Rd-Cox Rd-Owens Rd	Washington Rd	Washington Rd	2	4	Prioritization Score - 39.5	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity/Connectivity	✓		\$15,089,560		✓	✓	✓
5 Hereford Farm Rd	Belair Rd	Gibbs Rd	2	4	Prioritization Score - 42.25	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety	✓		\$5,269,721		✓	✓	✓
6 Horizon South Pkwy	I-20	Wrightsboro Rd	2	4	Prioritization Score - 28.25	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety	✓		\$6,682,330		✓	✓	✓
7 I-20 WB Off-Ramp	at Belair Rd, Lewiston Rd, and App	oling Harlem Rd	1	2	Prioritization Score - 38	Recommended	Ramp Widening	Capacity Deficiency	Increased Capacity& Improved Safety	✓		\$672,102	✓	✓	✓	
8 I-20 EB On-Ramp	at Belair Rd, Lewiston Rd, and App	oling Harlem Rd	1	2	Prioritization Score - 36.5	Recommended	Ramp Widening	Capacity Deficiency	Increased Capacity& Improved Safety	✓		\$672,102	✓	✓	✓	
9 I-20	Appling Harlem Rd	Belair Rd	4	6	Prioritization Score - 48.5	STIP	Freeway Widening	Capacity Deficiency	Increased Capacity& Improved Safety	√		\$72,215,252	✓	✓	✓	
10 Lewiston Rd	Columbia Rd	I-20	2	4	Prioritization Score - 28.25	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety	1		\$6,195,821		✓	✓	✓
11 North Belair Rd	Fury's Ferry Rd	Washington Rd	2	4	Prioritization Score - 42	Work Program	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety	/	1	\$10.010.554				·
12 Old Evans Rd	Martinez Blvd	Washington Rd	2	4	Prioritization Score - 28	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety	/	1	\$911,051				·
13 Old Evans Rd	Washington Rd	Old Petersburg Rd	2	4	Prioritization Score - 22	STIP	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety		1	\$5,351,286		· /		
14 Washington Rd	William Few Pkwy	Belair Rd	2	4	Prioritization Score - 50.5	Work Program	Arterial Widening	Capacity Deficiency			1	\$16.104.078	-/	<u>√</u>	-/	•
15 William Few Pkwy Connector	William Few Pkwy	Hereford Farm Rd	0	2	Prioritization Score - 22	Recommended	Arterial Widening Arterial Widening	Capacity Deficiency	Increased Capacity & Improved Safety	· ·	+	\$10,340,782	•	√		/
William Tew Truly Connector	İ		0	2	Prioritization Score - 19	Work Program			Increased Capacity/Connectivity	v /					· ·	· ·
16 William Few Pkwy Extension	Washington Rd	Hardy McManus Rd	2	4	Prioritization Score - 36.75		Arterial Widening	Capacity Deficiency	Increased Capacity/Connectivity	· ·		\$3,999,590		✓	· ·	· ·
17 Wrightsboro Rd	Reynolds Rd	Richmond County	8	_		Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety	· ·		\$7,486,630	√	✓.	· ·	
18 SR 47 SB	N of Ridge Rd (MP 2.45)	N of Keg Creek Dr (MP 3.88)	2	3 - Passing Lanes	Prioritization Score - 8	STIP	Passing Lanes	Capacity Deficiency	Increased Capacity& Improved Safety	·	-	\$4,672,053	√	✓	√	
19 Columbia Rd	William Few Pkwy	Hereford Farm Rd	2	4	Prioritization Score - 44.25	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety	 	+ +	\$8,012,677	✓	✓	√ .	
20 Hereford Farm Rd	Blanchard Rd	Gibbs Rd	2	4	Prioritization Score - 42.5	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety	✓	+	\$16,999,455		✓	✓	√
21 Old Petersburg Rd	Old Evans Rd	Baston Rd	2	4	Prioritization Score - 31.5	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety	✓	+ +	\$7,937,527		✓	✓	√
22 Washington Rd	Old Washington Rd	William Few Pkwy	2	4	Prioritization Score - 38.75	STIP	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety	✓	+	\$3,730,841	✓	✓	✓	
23 Wrightsboro Rd	Horizon South Pkwy	Reynolds Rd	2	4	Prioritization Score - 41.5	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety	✓	1	\$8,613,873	✓	✓	✓	
24 SR 47 NB	S of Washington Rd (MP 8.33)	N of Yelton Rd (MP 9.53)	2	4 - Passing Lanes	Prioritization Score - 7	Work Program	Passing Lanes	Capacity Deficiency	Increased Capacity& Improved Safety	✓	1	\$3,926,073	✓	✓	✓	
25 SR 47 NB/SB	N of Columbia Rd (MP 13.48)	N of I-20 (MP 15.18)	2	4 - Passing Lanes	Prioritization Score - 7.5	Work Program	Passing Lanes	Capacity Deficiency	Increased Capacity& Improved Safety	✓		\$5,742,059	✓	✓	✓	
26 Appling Harlem Rd	Columbia Rd	Wrightsboro Rd	2	4	Prioritization Score - 31	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety		✓	\$5,644,444		✓	✓	✓
27 Columbia Rd	Hereford Farm Rd	Old Belair Rd	2	4	Prioritization Score - 33.75	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety		✓	\$8,050,251	✓	✓	✓	
28 Hereford Farm Rd	Columbia Rd	Blanchard Rd	2	4	Prioritization Score - 29	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety		✓	\$13,423,439		✓	✓	✓
29 I-20	McDuffie County	Appling Harlem Rd	4	6	Prioritization Score - 36	Recommended	Freeway Widening	Capacity Deficiency	Increased Capacity& Improved Safety		✓	\$29,245,343	✓	✓	✓	
30 Washington Rd	S of CR 515 (MP 8.95)	NW of Pollard's Corner	2	4	Prioritization Score - 34	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety		✓	\$17,612,567	✓	✓	✓	
31 Wrightsboro Rd	Chamblin Rd	Horizon South Pkwy	2	4	Prioritization Score - 33	Recommended	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety		✓	\$5,764,608	✓	✓	✓	
32 SR10/US78 Gordon Highway	Harlem Town	SR 223	2	4	Prioritization Score - 9.75	Work Program	Arterial Widening	Capacity Deficiency	Increased Capacity& Improved Safety		✓	\$18,196,378	✓	✓	✓	
42 Ronald Reagan Dr						ant cam								,		✓
						SPLOST	Arterial Widening	Capacity Deficiency	Improved Operation and Safety	✓		\$1,000,000		✓	v	
43 Belair Rd	Evans to Locks Rd	Hereford Farm Rd				SPLOST	Arterial Widening Arterial Widening	Capacity Deficiency Capacity Deficiency	Improved Operation and Safety Improved Operation and Safety	√ √		\$1,000,000 \$900,000		√ √	√	✓
	Evans to Locks Rd	Hereford Farm Rd								✓ ✓ ✓ Sub	o-Total				√	✓
	Evans to Locks Rd	Hereford Farm Rd								✓ ✓ ✓ Sub	b-Total	\$900,000			√ ✓	✓
43 Belair Rd TDM/TSM Improvements	Evans to Locks Rd Washinton Rd	Hereford Farm Rd Richmond County	2	2	Corridor 1		Arterial Widening		Improved Operation and Safety	Sub	b-Total	\$900,000			√ /	✓
43 Belair Rd TDM/TSM Improvements			2 2	2 2	Corridor 1 Corridor 2	SPLOST Recommended	Arterial Widening TDM/TSM Improvements	Capacity Deficiency	Improved Operation and Safety Improved Corridor Operation	Sub	b-Total	\$900,000 \$335,329,867 \$839,522		✓	√ √	· · · · · · · · · · · · · · · · · · ·
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd	Washinton Rd	Richmond County	<u> </u>	2 2 2		SPLOST Recommended Recommended	Arterial Widening TDM/TSM Improvements TDM/TSM Improvements	Capacity Deficiency Operational Deficiencies Operational Deficiencies	Improved Operation and Safety Improved Corridor Operation Improved Corridor Operation	✓ 	b-Total	\$900,000 \$335,329,867 \$839,522 \$626,588		✓ ✓	<i>y y y y y y</i>	<i>Y Y Y Y Y</i>
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd	Washinton Rd Belair Rd	Richmond County Blanchard Rd	2 2 2 2	2 2 2 2	Corridor 2	SPLOST Recommended Recommended Recommended	Arterial Widening TDM/TSM Improvements TDM/TSM Improvements TDM/TSM Improvements	Capacity Deficiency Operational Deficiencies Operational Deficiencies Operational Deficiencies	Improved Operation and Safety Improved Corridor Operation Improved Corridor Operation Improved Corridor Operation	✓ 	p-Total	\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331		√ ✓ ✓		/ / / / / / / / / / / / / / / / / / /
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd	Washinton Rd Belair Rd Ivy Falls Rd	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd	2 2	2 2	Corridor 2 Corridor 3	SPLOST Recommended Recommended Recommended Recommended	TDM/TSM Improvements TDM/TSM Improvements TDM/TSM Improvements TDM/TSM Improvements TDM/TSM Improvements	Capacity Deficiency Operational Deficiencies Operational Deficiencies Operational Deficiencies Operational Deficiencies	Improved Operation and Safety Improved Corridor Operation Improved Corridor Operation Improved Corridor Operation Improved Corridor Operation	✓ 	b-Total	\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171		\frac{1}{4}	· · · · · · · · · · · · · · · · · · ·	/ / / / / / / / / / / / / / / / / / /
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd 36 Hardy McManus Rd 37 Wheeler Rd	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd	2 2 2	2 2 2 2 2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5	Recommended Recommended Recommended Recommended Recommended Recommended	TDM/TSM Improvements TDM/TSM Improvements TDM/TSM Improvements TDM/TSM Improvements TDM/TSM Improvements TDM/TSM Improvements	Capacity Deficiency Operational Deficiencies Operational Deficiencies Operational Deficiencies Operational Deficiencies Operational Deficiencies	Improved Operation and Safety Improved Corridor Operation	✓ 	b-Total	\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118		\frac{}{}	· · · · · · · · · · · · · · · · · · ·	V V V V V V V V V V V V V V V V V V V
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd 36 Hardy McManus Rd 37 Wheeler Rd 38 South Old Belair Rd	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd	2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6	Recommended Recommended Recommended Recommended Recommended Recommended Recommended	TDM/TSM Improvements	Capacity Deficiency Operational Deficiencies	Improved Operation and Safety Improved Corridor Operation	✓ 	p-Total	\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335			\frac{1}{2}	V V V V V V V V V V V V V V V V V V V
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd 36 Hardy McManus Rd 37 Wheeler Rd 38 South Old Belair Rd 39 Wrightsboro Rd	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd SR 223	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County	2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6 Corridor 7	Recommended Recommended Recommended Recommended Recommended Recommended Recommended Recommended	TDM/TSM Improvements	Capacity Deficiency Operational Deficiencies	Improved Operation and Safety Improved Corridor Operation	/ / / / / / / / / / / / / / / / / / /	5-Total	\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360		\frac{}{}	* * * * * * * * * * * * * * * * * * *	V V V V V V V V V V V V V V V V V V V
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd 36 Hardy McManus Rd 37 Wheeler Rd 38 South Old Belair Rd 39 Wrightsboro Rd 40 Old Evans Rd / Blue Ridge Rd	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd SR 223 Washington Rd	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County Evans to Locks Rd	2 2 2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6 Corridor 7 Corridor 8	Recommended Recommended Recommended Recommended Recommended Recommended Recommended Recommended Recommended	TDM/TSM Improvements	Capacity Deficiency Operational Deficiencies	Improved Operation and Safety Improved Corridor Operation	✓ 	o-Total	\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360 \$628,046			* * * * * * * * * * * * * * * * * * *	/ / / / / / / / / / / / / / / / / / /
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd 36 Hardy McManus Rd 37 Wheeler Rd 38 South Old Belair Rd 39 Wrightsboro Rd	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd SR 223	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County	2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6 Corridor 7	Recommended Recommended Recommended Recommended Recommended Recommended Recommended Recommended	TDM/TSM Improvements	Capacity Deficiency Operational Deficiencies	Improved Operation and Safety Improved Corridor Operation	/ / / / / / / / / / / / / / / / / / /		\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360 \$628,046 \$627,914			* * * * * * * * * * * * * * * * * * *	*
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd 36 Hardy McManus Rd 37 Wheeler Rd 38 South Old Belair Rd 39 Wrightsboro Rd 40 Old Evans Rd / Blue Ridge Rd 41 North Belair Rd	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd SR 223 Washington Rd	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County Evans to Locks Rd	2 2 2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6 Corridor 7 Corridor 8	Recommended Recommended Recommended Recommended Recommended Recommended Recommended Recommended Recommended	TDM/TSM Improvements	Capacity Deficiency Operational Deficiencies	Improved Operation and Safety Improved Corridor Operation	/ / / / / / / / / / / / / / / / / / /	p-Total	\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360 \$628,046			* * * * * * * * * * * * * * * * * * *	*
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd 36 Hardy McManus Rd 37 Wheeler Rd 38 South Old Belair Rd 39 Wrightsboro Rd 40 Old Evans Rd / Blue Ridge Rd 41 North Belair Rd Intersection Improvements	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd SR 223 Washington Rd Washington Rd	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County Evans to Locks Rd	2 2 2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6 Corridor 7 Corridor 8	Recommended Recommended Recommended Recommended Recommended Recommended Recommended Recommended Recommended	Arterial Widening TDM/TSM Improvements	Capacity Deficiency Operational Deficiencies	Improved Operation and Safety Improved Corridor Operation	/ / / / / / / / / / / / / / / / / / /		\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360 \$628,046 \$627,914 \$4,902,385			V V V V V V V V V V V V V V V V V V V	*
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd 36 Hardy McManus Rd 37 Wheeler Rd 38 South Old Belair Rd 39 Wrightsboro Rd 40 Old Evans Rd / Blue Ridge Rd 41 North Belair Rd Intersection Improvements 44 Washington Rd	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd SR 223 Washington Rd	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County Evans to Locks Rd	2 2 2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6 Corridor 7 Corridor 8	Recommended	Arterial Widening TDM/TSM Improvements	Capacity Deficiency Operational Deficiencies	Improved Operation and Safety Improved Corridor Operation	/ / / / / / / / / / / / / / / / / / /		\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360 \$628,046 \$627,914 \$4,902,385	¥ ,	V V V V V V V V V V V V V V V V V V V	V V V V V V V V V V V V V V V V V V V	*
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd 36 Hardy McManus Rd 37 Wheeler Rd 38 South Old Belair Rd 39 Wrightsboro Rd 40 Old Evans Rd / Blue Ridge Rd 41 North Belair Rd Intersection Improvements 44 Washington Rd 45 Pumpkin Center	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd SR 223 Washington Rd Washington Rd	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County Evans to Locks Rd	2 2 2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6 Corridor 7 Corridor 8 Corridor 9	Recommended	Arterial Widening TDM/TSM Improvements	Capacity Deficiency Operational Deficiencies Operational and Capacity Deficiency Operational and Capacity Deficiency	Improved Operation and Safety Improved Corridor Operation	/ / / / / / / / / / / / / / / / / / /		\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360 \$627,914 \$4,902,385	· · · · · · · · · · · · · · · · · · ·	V V V V V V V V V V V V V V V V V V V	V V V V V V V V V V V V V V V V V V V	/ / / / / / / / / / / / / / / / / / /
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd 36 Hardy McManus Rd 37 Wheeler Rd 38 South Old Belair Rd 39 Wrightsboro Rd 40 Old Evans Rd / Blue Ridge Rd 41 North Belair Rd Intersection Improvements 44 Washington Rd 45 Pumpkin Center 46 Stevens Creek Rd	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd Washington Rd Washington Rd Gibbs Rd Evans to Locks Rd	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County Evans to Locks Rd	2 2 2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6 Corridor 7 Corridor 8	Recommended	Arterial Widening TDM/TSM Improvements Intersection Improvements Intersection Improvements Intersection Improvements	Capacity Deficiency Operational Deficiencies Operational and Capacity Deficiency Operational and Capacity Deficiency Operational and Capacity Deficiency	Improved Operation and Safety Improved Corridor Operation Improved Safety and Capacity Improved Safety and Capacity Improved Safety and Capacity	/ / / / / / / / / / / / / / / / / / /		\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360 \$628,046 \$627,914 \$4,902,385 \$394,400 \$576,000 \$400,000		/ / / / / / / / / / / / / /	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V V V V V V V V V V V V V V V V V V V
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd 36 Hardy McManus Rd 37 Wheeler Rd 38 South Old Belair Rd 39 Wrightsboro Rd 40 Old Evans Rd / Blue Ridge Rd 41 North Belair Rd Intersection Improvements 44 Washington Rd 45 Pumpkin Center 46 Stevens Creek Rd 47 Blanchard Rd	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd SR 223 Washington Rd Washington Rd Gibbs Rd Evans to Locks Rd Hereford Farm Rd	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County Evans to Locks Rd	2 2 2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6 Corridor 7 Corridor 8 Corridor 9	Recommended	Arterial Widening TDM/TSM Improvements Intersection Improvements Intersection Improvements Intersection Improvements Intersection Improvements Intersection Improvements Intersection Improvements	Capacity Deficiency Operational Deficiencies Operational and Capacity Deficiency	Improved Operation and Safety Improved Corridor Operation Improved Safety and Capacity	/ / / / / / / / / / / / / / / / / / /		\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360 \$628,046 \$627,914 \$4,902,385 \$394,400 \$576,000 \$400,000 \$300,000	V V V V V V V V V V V V V V V V V V V	V V V V V V V V V V V V V V V V V V V	\(\frac{1}{2} \)	*
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd 36 Hardy McManus Rd 37 Wheeler Rd 38 South Old Belair Rd 39 Wrightsboro Rd 40 Old Evans Rd / Blue Ridge Rd 41 North Belair Rd Intersection Improvements 44 Washington Rd 45 Pumpkin Center 46 Stevens Creek Rd 47 Blanchard Rd 48 Blueridge Rd	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd SR 223 Washington Rd Washington Rd Gibbs Rd Evans to Locks Rd Hereford Farm Rd Evans to Locks Rd	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County Evans to Locks Rd	2 2 2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6 Corridor 7 Corridor 8 Corridor 9	Recommended STIP SPLOST SPLOST SPLOST SPLOST	TDM/TSM Improvements Intersection Improvements	Capacity Deficiency Operational Deficiencies Operational and Capacity Deficiency	Improved Operation and Safety Improved Corridor Operation Improved Safety and Capacity	/ / / / / / / / / / / / / / / / / / /		\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360 \$628,046 \$627,914 \$4,902,385 \$394,400 \$576,000 \$400,000 \$300,000 \$560,000		V V V V V V V V V V V V V V V V V V V	* * * * * * * * * * * * * * * * * * *	*
43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd 36 Hardy McManus Rd 37 Wheeler Rd 38 South Old Belair Rd 39 Wrightsboro Rd 40 Old Evans Rd / Blue Ridge Rd 41 North Belair Rd Intersection Improvements 44 Washington Rd 45 Pumpkin Center 46 Stevens Creek Rd 47 Blanchard Rd 48 Blueridge Rd 49 Blanchard Rd	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd SR 223 Washington Rd Washington Rd Gibbs Rd Evans to Locks Rd Hereford Farm Rd Evans to Locks Rd Blanchard Woods Dr	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County Evans to Locks Rd	2 2 2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6 Corridor 7 Corridor 8 Corridor 9	Recommended	TDM/TSM Improvements ITDM/TSM Improvements Intersection Improvements	Capacity Deficiency Operational Deficiencies Operational and Capacity Deficiency	Improved Operation and Safety Improved Corridor Operation Improved Safety and Capacity			\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360 \$628,046 \$627,914 \$4,902,385 \$394,400 \$576,000 \$400,000 \$560,000 \$400,000	· · · · · · · · · · · · · · · · · · ·	V V V V V V V V V V V V V V V V V V V	V V V V V V V V V V V V V V V V V V V	Y
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43 Belair Rd TDM/TSM Improvements 33 Evans to Locks Rd / Stevens Creek Rd 34 Hereford Farm Rd 35 Columbia Rd 36 Hardy McManus Rd 37 Wheeler Rd 38 South Old Belair Rd 39 Wrightsboro Rd 40 Old Evans Rd / Blue Ridge Rd 41 North Belair Rd Intersection Improvements 44 Washington Rd 45 Pumpkin Center 46 Stevens Creek Rd 47 Blanchard Rd 48 Blueridge Rd 49 Blanchard Rd 50 Washington Rd 51 Old Louisville Rd 52 Louisville Road 53 Old Union Rd 54 Bobby Jones Expy/Old Evans Rd 55 Columbia Rd/Ruth St 56 Washington Rd 57 Washington Rd 58 Industrial Park Dr/N Belair Rd 59 Davis Rd 60 Baston Rd 61 Columbia Rd	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd SR 223 Washington Rd Washington Rd Gibbs Rd Evans to Locks Rd Hereford Farm Rd Evans to Locks Rd Blanchard Woods Dr Goodwill Harlem Grovetown Rd Wrightsboro Rd Fairview, SR 47 Washington Rd Bobby Jones Expy Columbia Rd Washington Rd	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County Evans to Locks Rd	2 2 2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6 Corridor 7 Corridor 8 Corridor 9 30 crashes 128 crashes 102 crashes 102 crashes 93 crashes 91 crashes 88 crashes 80 crashes	Recommended	TDM/TSM Improvements Intersection Improvements	Capacity Deficiency Operational Deficiencies Operational and Capacity Deficiency Safety	Improved Operation and Safety Improved Corridor Operation Improved Safety and Capacity	V		\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360 \$628,944 \$4,902,385 \$394,400 \$576,000 \$400,000 \$300,000 \$700,000 \$500,000 \$1,445,000 \$464,000		V V V V V V V V V V V V V V V V V V V	\(\frac{\darksig}{\darksig} \)	
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A3 Belair Rd	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd SR 223 Washington Rd Washington Rd Washington Rd Evans to Locks Rd Hereford Farm Rd Evans to Locks Rd Blanchard Woods Dr Goodwill Harlem Grovetown Rd Wrightsboro Rd Fairview, SR 47 Washington Rd N Belair Rd/S Belair Rd Jimmie Dyess Pkwy/S Belair Rd Jimmie Dyess Pkwy	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County Evans to Locks Rd	2 2 2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6 Corridor 7 Corridor 8 Corridor 9 30 crashes 128 crashes 102 crashes 102 crashes 93 crashes 88 crashes 88 crashes 79 crashes 79 crashes 76 crashes 76 crashes 72 crashes	Recommended	TDM/TSM Improvements Intersection Improvements	Capacity Deficiency Operational Deficiencies Operational and Capacity Deficiency Safety	Improved Operation and Safety Improved Corridor Operation Improved Safety and Capacity	V		\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360 \$627,914 \$4,902,385 \$394,400 \$576,000 \$400,000 \$350,000 \$500,000 \$500,000 \$1,445,000 \$464,000		V V V V V V V V V V V V V V V V V V V	V V V V V V V V V V V V V V V V V V V	
### TDM/TSM Improvements 33	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd SR 223 Washington Rd Washington Rd Washington Rd Evans to Locks Rd Hereford Farm Rd Evans to Locks Rd Blanchard Woods Dr Goodwill Harlem Grovetown Rd Wrightsboro Rd Fairview, SR 47 Washington Rd N Belair Rd/S Belair Rd Jimmie Dyess Pkwy/S Belair Rd Jimmie Dyess Pkwy Jimmie Dyess Pkwy/S Belair Rd	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County Evans to Locks Rd	2 2 2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 7 Corridor 8 Corridor 9 30 crashes 128 crashes 102 crashes 102 crashes 93 crashes 91 crashes 88 crashes 80 crashes 79 crashes 79 crashes 79 crashes 79 crashes	Recommended	TDM/TSM Improvements Intersection Improvements	Capacity Deficiency Operational Deficiencies Operational and Capacity Deficiency Safety Improved Operation and Safety Improved Corridor Operation Improved Safety and Capacity	V		\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360 \$628,946 \$627,914 \$4,902,385 \$394,400 \$576,000 \$400,000 \$300,000 \$500,000 \$550,000 \$1,445,000 \$464,000		V V V V V V V V V V V V V V V V V V V	V V V V V V V V V V V V V V V V V V V		
### Times Figure Figure	Washinton Rd Belair Rd Ivy Falls Rd Halali Farm Rd North Belair Rd North Belair Rd SR 223 Washington Rd Washington Rd Washington Rd Evans to Locks Rd Hereford Farm Rd Evans to Locks Rd Blanchard Woods Dr Goodwill Harlem Grovetown Rd Wrightsboro Rd Fairview, SR 47 Washington Rd N Belair Rd/S Belair Rd Jimmie Dyess Pkwy/S Belair Rd Jimmie Dyess Pkwy	Richmond County Blanchard Rd Old Belair Rd Fury's Ferry Rd Flowing Wells Rd Columbia Rd Richmond County Evans to Locks Rd	2 2 2 2 2 2 2 2	2 2	Corridor 2 Corridor 3 Corridor 4 Corridor 5 Corridor 6 Corridor 7 Corridor 8 Corridor 9 30 crashes 128 crashes 102 crashes 102 crashes 93 crashes 88 crashes 88 crashes 79 crashes 79 crashes 76 crashes 76 crashes 72 crashes	Recommended	TDM/TSM Improvements Intersection Improvements	Capacity Deficiency Operational Deficiencies Operational and Capacity Deficiency Safety	Improved Operation and Safety Improved Corridor Operation Improved Safety and Capacity	V		\$900,000 \$335,329,867 \$839,522 \$626,588 \$434,331 \$435,171 \$429,118 \$437,335 \$444,360 \$627,914 \$4,902,385 \$394,400 \$576,000 \$400,000 \$350,000 \$500,000 \$500,000 \$1,445,000 \$464,000		V V V V V V V V V V V V V V V V V V V	\(\frac{1}{2} \)	

Table 9.3 **Recommended Improvements**

Desirat	C	F-:t: I I I	I					I	4:	Estimated		Datantial Fa		
Project Ref. No. Facility	Segment Limits From To	Existing Lane Improved Lane Configuration Configuration	Notes/Comments	Program	Project	Need	Anticipated Benefit	Implementa Near Mid	Long	Estimated Cost		Potential Fur tate Cou		Local Private
68 Baston Rd	Martinez Blvd (right in/right out only-late 2002)		60 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	√	✓
69 Bobby Jones Expy	Rose Ln/Settlement Rd		58 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	✓	✓
70 Columbia Rd	Belair Rd		57 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	1	✓
71 Washington Rd	Belair Rd		56 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	✓	✓
72 Washington Rd	Baston Rd		54 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓	/	✓
73 Baston Rd	Old Petersburg Rd		54 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	/	✓
74 Evans to Locks Rd	Fury's Ferry Rd		52 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓	/	✓
75 Cox Rd/Owens Rd	N Belair Rd		51 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓	/	✓
76 Oak St N	Washington Rd		48 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	/	✓
77 Columbia Rd	Flowing Wells Rd		43 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	/	✓
78 Evans to Locks Rd	Washington Rd		43 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	/	√ ✓
79 Towne Center Dr	Washington Rd		40 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	/	✓
80 Washington Rd	Evans to Locks Rd		37 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	/	✓ ✓
81 Fury's Ferry Rd	Evans To Locks Rd		36 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	/	√ ✓
82 Flowing Wells Rd	Washington Rd		35 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	/	✓ ✓
83 Country Place Ln/Fieldstone Way	Washington Rd		34 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	/	✓ ✓
84 Baston Rd/Vaughn Rd	Fury's Ferry Rd		31 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	/	✓ ✓
85 Hereford Farm Rd/Towne Center Dr	N Belair Rd		30 crashes	Recommended	Intersection Improvements	Safety	Improved Safety and Capacity	✓		\$464,000	✓	✓ ✓	/	✓ ✓
				<u> </u>				Sub-	Total	\$20,473,400				
Bridge Improvements														
86 SR 232	Crawford Creek 4.4 mi NE of Grovetown		36.54 sufficiency rating	STIP	Replace Bridge	Deficient Bridge	Improved Safety and Operation	√		\$2,067,000		✓ ✓	/	✓
87 SR 223	Kiokee Creek 5.8 mi NW of Harlem		51.53 sufficiency rating	Recommended	Replace Bridge	Deficient Bridge	Improved Safety and Operation	· ·		\$1,006,000		✓ ✓		✓
88 SR 47	Keg Creek 6.9 mi N of Appling		54.17 sufficiency rating	STIP	Replace Bridge	Deficient Bridge	Improved Safety and Operation	✓		\$1,136,000		✓ ✓	-	✓
89 CR 576 / Louisville Rd.	I-20 5.2 mi NW of Grovetown		54.65 sufficiency rating	Recommended	Replace Bridge	Deficient Bridge	Improved Safety and Operation	✓		\$2,378,000		✓ ✓	-	✓
90 SR 232	Walton Branch 4 mi NE of Grovetown		56.34 sufficiency rating	Recommended	Replace Bridge	Deficient Bridge	Improved Safety and Operation	✓		\$473,000		✓ ✓	-	✓
91 CR 253/Baker Place Rd	I-20 3.7 mi NW of Grovetown		59.03 sufficiency rating	Recommended	Replace Bridge	Deficient Bridge	Improved Safety and Operation	√		\$1,880,000		✓ ✓		✓
92 SR 223	Uchee Creek 2.2 mi NW of Grovetown		61.44 sufficiency rating	STIP	Replace Bridge	Deficient Bridge	Improved Safety and Operation	✓		\$1,136,000		✓ ✓		√
93 CR 238/Chamblin Rd	I-20 2.4 mi NW of Grovetown		62.09 sufficiency rating	Recommended	Replace Bridge	Deficient Bridge	Improved Safety and Operation	✓		\$2,033,000		✓ ✓		_
94 N Belair Rd	CSX Railroad SW of SR 28		75.39 sufficiency rating	Work Program	Replace Bridge	Deficient Bridge	Improved Safety and Operation	√	-	\$1,003,000		✓ ✓		√
95 Parham Rd	CSX Railroad SR 10/US 78			STIP	Replace Bridge	Deficient Bridge	Improved Safety and Operation	✓	L _	\$1,000,000		✓ ✓		√
DI LOBALI I								Sub-	Total	\$14,112,000				
Bicycle & Pedestrian Improvements				T	T			 						
96 Columbia Rd	Belair Rd Lewiston Rd		18,790 linear feet	ARTS Bike-Ped Plan	Rural Bike Lane	Bike/Ped Facilities	Enhanced Multimodal System		√	\$2,271,919		√ √ √ √		<u> </u>
97 Ronald Reagan Dr	Washington Rd N Belair Rd		2,131 linear feet	ARTS Bike-Ped Plan	Urban Bike Lane	Bike/Ped Facilities	Enhanced Multimodal System			\$292,694		· ·		<u> </u>
98 Cox Rd/Gibbs Rd	Washington Rd Hereford Farm Rd	+	7,450 linear feet	ARTS Bike-Ped Plan	Urban Bike Lane	Bike/Ped Facilities	Enhanced Multimodal System	+	√	\$1,023,261		< < < < < < < < < < < < < < < < < < <		√ √
99 Wrightsboro Rd	S Belair Rd Ricjmond County	+	33,730 linear feet	ARTS Bike-Ped Plan	Share the Road	Bike/Ped Facilities	Enhanced Multimodal System	+	· /	\$6,708		✓ ✓ ✓		√ √
100 Columbia Rd/SR 232	Hereford Farm Rd Richmond County Washington Rd Wrightsboro Rd		35,965 linear feet	ARTS Bike-Ped Plan	Share the Road	Bike/Ped Facilities Bike/Ped Facilities	Enhanced Multimodal System	+	✓ ✓	\$7,152		√		√ √
101 Belair Rd/SR 383			25,403 linear feet	ARTS Bike-Ped Plan	Restriping	i	Enhanced Multimodal System	+ +	· ·	\$42,944 \$3,364,472		<i>y y</i>		<u> </u>
102 William Few Pkwy 103 Old Petersburg Rd/CR 145	Columbia Rd Washington Rd Washington Rd/Old Evans Rd Riverwatch Pkwy		27,826 linear feet 12,985 linear feet	ARTS Bike-Ped Plan ARTS Bike-Ped Plan	Rural Bike Lane Urban Bike Lane	Bike/Ped Facilities Bike/Ped Facilities	Enhanced Multimodal System Enhanced Multimodal System		· ·	\$3,364,472	-	√	/	v v
	Belair Rd Old Petersburg Rd		6,496 linear feet	ARTS Bike-Ped Plan	Urban Bike Lane	Bike/Ped Facilities	Enhanced Multimodal System Enhanced Multimodal System	· ·		\$892,229		· ·		<i>'</i>
105 Baston Rd	Old Petersburg Rd Fury's Ferry Rd		3,873 linear feet	ARTS Bike-Ped Plan	Restriping	Bike/Ped Facilities	Enhanced Multimodal System Enhanced Multimodal System	+	1	\$6,547		· ·		
106 N. Belair Rd/CR 580	Washington Rd Fury's Ferry Rd		13,078 linear feet	ARTS Bike-Ped Plan	Restriping	Bike/Ped Facilities	Enhanced Multimodal System			\$22,108			_	· ·
107 Hardy McManus Rd	Washington Rd Fury's Ferry Rd		20.272 linear feet	ARTS Bike-Ped Plan	Rural Bike Lane	Bike/Ped Facilities	Enhanced Multimodal System Enhanced Multimodal System			\$2,451,109		· ·	_	
108 Flowing Wells Rd	Columbia Rd Wheeler Rd		7,408 linear feet	ARTS Bike-Ped Plan	Urban Bike Lane	Bike/Ped Facilities	Enhanced Multimodal System		✓	\$1,017,493		, ,	√ ·	<i>/ /</i>
109 Wheeler Rd	S Belair Rd Flowing Wells Rd		7,290 linear feet	ARTS Bike-Ped Plan	Share the Road	Bike/Ped Facilities	Enhanced Multimodal System		1	\$1,450	√	✓ ✓	_	· ·
110 Washington Rd/SR 104: Phase III	Richmond County Cumberland Dr		14,866 linear feet	ARTS Bike-Ped Plan	Rural Bike Lane	Bike/Ped Facilities	Enhanced Multimodal System		✓	\$1,797,464	√	✓ ✓	√ ·	< <
111 Washington Rd/SR 104: Phase II	Cumberland Dr Silver Lake Dr	1	12,936 linear feet	ARTS Bike-Ped Plan	Rural Bike Lane	Bike/Ped Facilities	Enhanced Multimodal System	· ·		\$1,564,106		✓ ✓	<i></i>	✓ ✓
112 Washington Rd/SR 104: Phase I	Silver Lake Dr Ronald Reagan		10,402 linear feet	ARTS Bike-Ped Plan	Rural Bike Lane	Bike/Ped Facilities	Enhanced Multimodal System	✓		\$1,257,717	✓	✓ ✓	✓	✓
113 SR 388/Lewiston Rd	Wrightsboro Rd Columbia Rd		29,884 linear feet	ARTS Bike-Ped Plan	Rural Bike Lane	Bike/Ped Facilities	Enhanced Multimodal System		✓	\$3,613,307	✓	✓ ✓	<i>_</i>	✓
114 Hereford Farm Rd	Columbia Rd Belair Rd		19,586 linear feet	ARTS Bike-Ped Plan	Rural Bike Lane	Bike/Ped Facilities	Enhanced Multimodal System	✓		\$2,368,164	✓	✓ ✓	√	✓
115 Evans-To-Locks Rd: Phase II	Eexisting Facility Blue Ridge Dr		7,119 linear feet	ARTS Bike-Ped Plan	Multiuse	Bike/Ped Facilities	Enhanced Multimodal System	✓		\$414,662	✓	✓ ✓	1	✓
116 Evans-To-Locks Rd: Phase III	Blue Ridge Dr Belair Rd		7,647 linear feet	ARTS Bike-Ped Plan	Multiuse	Bike/Ped Facilities	Enhanced Multimodal System	✓		\$445,416	✓	✓ ✓	1	✓ ✓
117 Fury's Ferry Rd/CR 92: Phase II	Hardy McManus Rd Blackstone Camp Rd		12,069 linear feet	ARTS Bike-Ped Plan	Urban Bike Lane	Bike/Ped Facilities	Enhanced Multimodal System		✓	\$1,657,683	✓	✓ ✓	1	✓
118 Fury's Ferry Rd/CR 92: Phase III	Hardy McManus Rd South Carolina		6,959 linear feet	ARTS Bike-Ped Plan	Rural Bike Lane	Bike/Ped Facilities	Enhanced Multimodal System		✓	\$841,420	✓	✓ ✓	/	✓
119 Columbia Rd	Belair Rd Flowing Wells Rd		10,938 linear feet	ARTS Bike-Ped Plan	Urban Bike Lane	Bike/Ped Facilities	Enhanced Multimodal System		✓	\$1,502,340	✓	✓	/	✓ ✓
120 Pleasant Home Rd/CR 177	Flowing Wells Rd Washington Rd		16,534 linear feet	ARTS Bike-Ped Plan	Restriping	Bike/Ped Facilities	Enhanced Multimodal System		✓	\$27,951	✓	✓ ✓	/	✓
121 Walton Way Extension/Davis	Skinner Mill Rd Washington Rd		8,025 linear feet	ARTS Bike-Ped Plan	Restriping	Bike/Ped Facilities	Enhanced Multimodal System	<u> </u>		\$13,566	✓	✓	/	✓ ✓
122 Miscellaneous Improvements	105,600 linear feet		105,600 linear feet	Recommended	Bike/Ped	Bike/Ped Facilities	Enhanced Multimodal System	✓		\$3,780,000	✓	✓ ✓	/	✓ ✓
123 Miscellaneous Improvements	132,000 linear feet		132,000 linear feet	Recommended	Bike/Ped	Bike/Ped Facilities	Enhanced Multimodal System	✓		\$4,725,000	✓	✓ ✓	/	✓
124 Miscellaneous Improvements	343,200 linear feet		343,200 linear feet	Recommended	Bike/Ped	Bike/Ped Facilities	Enhanced Multimodal System		✓	\$12,285,000	✓	✓ ✓	1	✓ ✓
								Sub-	Total	\$49,477,378				
Transit Improvements														
125 Washington Rd	Greenbrier Town Center			Recommended	Park & Ride Lot	Capacity Deficiency	Commute Options to Augusta	✓		\$100,000	✓	✓ v	/	_
126 I-20	Appling Rd			Recommended	Park & Ride Lot	Capacity Deficiency	Commute Options to Augusta		✓	\$100,000	✓	✓ ✓	/	
127 Wrightsboro Rd	Grovetown			Recommended	Park & Ride Lot	Capacity Deficiency	Commute Options to Augusta		✓	\$100,000	✓	✓ <u> </u>	1	
								Sub-	Total	\$300,000				
								To	tal	\$424,595,031				
Notes: 1. Costs do not include right of way acqui														

Notes: 1. Costs do not include right of way acquisition
2. Intersection Improvements listed include all intersections with more than 10 crashes per year. Many of these locations may not warrant improvements, however additional study is required to make this determination. Costs were included as placeholders until additional studies are warranted or completed.

2. The cost for safety deficient intersections was calculated using the average cost for an intersection programmed in the SPLOST
3. Bicycle and Pedestrian cost estimates were obtained from the ARTS Bike/Ped Plan.
4. Cost for Park and Ride Facility is a placeholder until detailed studies are completed.





9.4 Environmental Justice Considerations

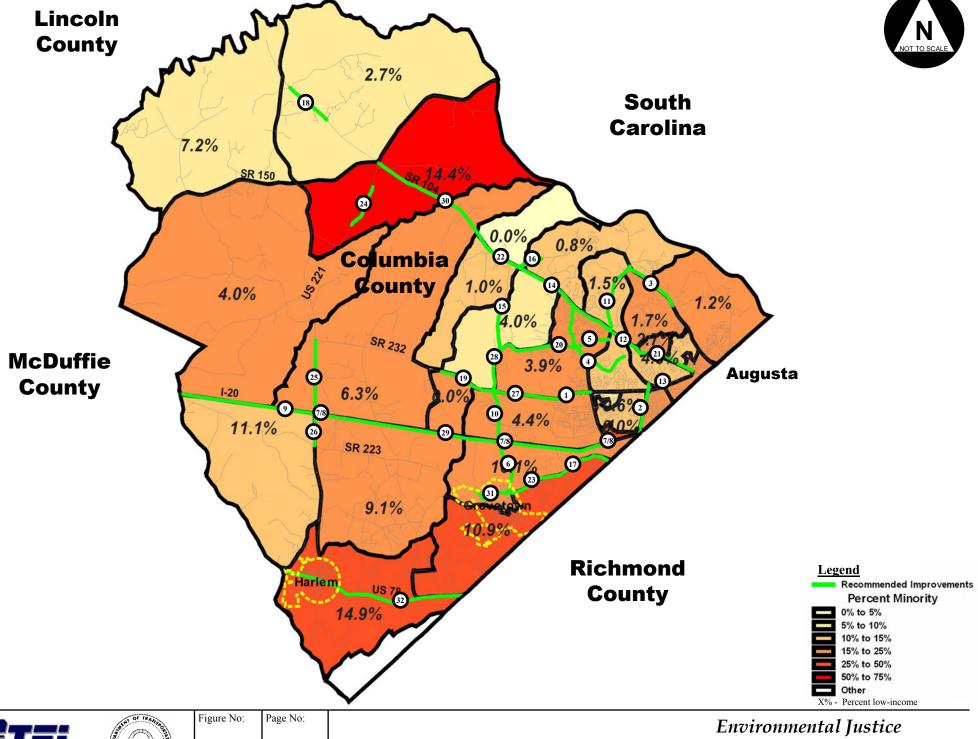
Another key point of concern in evaluating proposed transportation improvements is environmental justice. This ensures that areas with high concentrations of low-income or minority populations are not adversely impacted by transportation improvements. The recommended improvements will improve safety, mobility and access for all users on a countywide basis. However, the following capacity enhancement projects could have potential impacts to these populations:

- Project #17 Wrightsboro Road (from Reynolds Road to Richmond County)
- Project #23 Wrightsboro Road (from Horizon South Parkway to Reynolds Road)
- Project #24 SR 47 NB (from S of Washington Road to North of Yelton Road)
- Project #30 Washington Road (from Scotts Ferry Road to Old Washington Road)
- Project #32 US 78 (from Harlem to Wrightsboro Road)

These projects include the need for roadway widening and the possibility of additional right of way. Review of these projects acknowledges that they are anticipated to benefit and not disproportionately impact the surrounding EJ areas. Additional projects adopted to benefit the EJ communities include: bicycle and pedestrian improvements in the towns of Harlem and Grovetown; transit park and ride lots in Grovetown and along Washington Road north of the Greenbrier Town Center; an express bus along the I20 corridor, Washington Road corridor and Wrightsboro corridor; and, numerous safety and capacity enhancements throughout the study area.

In addition to the technical analysis documented above, outreach activities were conducted throughout the course of the study to facilitate input and dialogue with EJ communities. In particular, information was distributed in these areas documenting study activities and workshops and community leaders in the area were conducted throughout the study to facilitate dialogue and exchange of information.

Figure 9.4 shows the recommended projects on the environmental justice map.







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Evaluation